Fast Facts on California-India Trade and Economic Relations Compiled by: Assembly Committee on Jobs, Economic Development, and the Economy Eduardo Garcia, Chair

India has the fourth largest economy in the world, with a 2015 GDP of \$8 trillion¹ (adjusted for purchasing power parity) and the second largest labor force in the world.² India's economy real growth rate was 7.3% in 2015. Contributing to its sustained growth are several economic liberalization measures which have been in place since the 1990s, including industrial deregulation, privatizing state-owned enterprises, and reduced controls on foreign trade and investment.³

Profile of India

- India's official name is the "Republic of India" and its capital city is New Delhi. The nation is comprised of 29 states and 7 union territories.⁴
- In July of 2015, the estimated population of India was 1.2 billion people, ⁵ making it the second most populous country in the world, just behind China (1.3 billion people). ⁶
- New Delhi is the largest urban center in India, with a population of 25.7 million people. Other large urban centers in India include: Mumbai (21.0 million people), Kolkata (11.7 million people), Bangalore (10.0 million people) and Chennai (9.6 million people).
- In 2015, 32.7% of the total population lived in urban areas, and the rate of urbanization held at a rate of 2.38% from 2010-2015.
- In 2015, the median age of Indian population was 27.3 years. By comparison, the median age of the Chinese population was 36.8 years and in the U.S. it was 37.8 years. 11
- India is the 7th largest country in the world, with a total geographic area of 1.2 million square miles. ¹²
- India has 14 official languages and the primary spoken language is Hindi (41%). Other common languages include: Bengali (8.1%), Telugu (7.2%), Marathi (7%), Tamil (5.9%), and Urdu (5%). ¹³
- In 2010, approximately one-third of the Indian population lived below the poverty line (29.8%). ²⁹
- English is India's subsidiary official language, and is the most important language in national, political, and commercial communication. ¹⁴

Overview of the Indian Economy

- In 2015, India's GDP at the official exchange rate totaled \$2.1 trillion. Adjusting for purchasing power parity, India had the fourth largest economy in the world, with a GDP of \$8 trillion. By comparison, India's PPP-adjusted GDP is smaller than that of China (\$19.5 trillion)¹⁶ and the U.S. (\$17.9 trillion)¹⁷, but larger than Japan (\$4.65 trillion)¹⁸.
- In 2015, India's GDP per capita was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) Vietnam (\$6,100) Uzbekistan (\$6,100) And (\$5,000) and Ghana (\$4,300) and Ghana (\$4,300) described by the capital was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) Nietnam (\$6,100) described by the capital was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) described by the capital was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) described by the capital was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) described by the capital was \$6,300. 19 Countries with similar GDP per-capita rates include: Cabo Verde (\$6,700) described by the capital was \$6,300. 19 Countries with similar GDP per-capital rates include: Cabo Verde (\$6,700) described by the capital was \$6,300. 19 Countries with similar GDP per-capital rates include: Cabo Verde (\$6,700) described by the capital was \$6,100. 19 Countries with similar GDP per-capital rates include: Cabo Verde (\$6,100) described by the capital rate of the capital rates include the capital rate of the capital r
- In 2015, the three major sector components of India's GDP were: service (77.6%), industry (20.8%), and agriculture (1.6%). For the U.S., major components of the 2015 GDP were the service sector (54.4%), industry sector (29.5%), and agricultural sector (16.1%). and agricultural sector (16.1%).
- In 2015, India had a labor force of 502.1 million people. The 2013 labor force was comprised of agriculture (49%), services (31%), and industry (20%) workers.²⁷
- With over 14 million people born in India living abroad in 2013 (estimated to be the largest emigrant stock in the world), India has remained the largest recipient of officially recorded remittance inflows-- estimated at \$71 billion in 2014. 41
- In 2015, 7.1% of the Indian population were unemployed, down 19.3% from the 2013 rate. ²⁸
- Services are the predominant source of India's economic growth; accounting for less than two-thirds of India's output (54.4%) in 2015, with less than one-third of its labor force (31%) as of 2012. ³⁶ The service sector is comprised of small subsectors such as tourism, media, health, retailing, education, real estate, and information technology (IT).

• IT continues to be the fastest growing segment of the Indian economy, notably Indian software design, business process outsourcing, and IT enabled-services (ITES).³⁷ India has capitalized on its large English-speaking population to become a major exporter of these information technology services.³⁸

Imports and Exports

- In 2013, India's total exports were \$336.6 billion, and total imports were \$466 billion.³⁰
- During 2013-14, India's services exports grossed \$151.5 billion, with a growth of 4% from the prior year. Imports of services to India accounted \$78.5 billion, down 2.8% from 2012-13. Net services were \$73 billion, up by 12.4%, compared to 2012-13 figures.⁴⁰
- India's top five export partners in 2013 include: the U.S. (\$42 million), the United Arab Emirates (\$34 million), China (\$16.4 million), Singapore (\$14.2 million), and Hong Kong (\$13.7 million).
- Exports of goods and services account for 24.8% of India's GDP; imports account for 28.4% of the GDP.³¹
- The top 5 Indian commodities exported in 2013 include: Petroleum Oils (\$67 billion), Diamonds, worked (excl. industrial diamonds) (\$27 billion), Jewelries (\$9.6 billion), Medicaments (\$8.4 billion), and Rice (\$7.8 billion).
- India's top five import partners in 2013 include: China (\$51.6 million), Saudi Arabia (\$36.6 million), the United Arab Emirates (\$33 million), Switzerland (\$24.7 million), and the U.S. (\$22.6 million).³⁵
- Top 5 commodities India imported in 2013 include: Petroleum Oils (\$148 billion), Gold (\$34 billion), Diamonds, unworked (excl. industrial diamonds) (\$15 billion), Coal (\$15 billion), and Natural Gas (\$8.3 billion).

U.S. and India Economic Relations

- Bilateral trade between the U.S. and India expanded from \$19 billion in 2000 to \$95 billion in 2013. U.S. goods exports to India totaled \$35 billion, supporting an estimated 168,000 U.S. jobs. 42
- Cumulative Indian investment in the U.S. totaled \$9 billion in 2012, supporting 100,000 domestic jobs. U.S. investment into India exceeded \$28 billion, supporting about half a million jobs in India. 43
- Top 5 commodities exported to India from the U.S. in 2013 include: Gold (\$1.4 billion), Coal Briquettes (\$601 million), Mixed Mineral or Chemical Fertilizers (\$326 million), Scrap Iron (\$271 million), and Telephones (\$386 million).
- Top 5 commodities exported to the U.S. from India in 2013 include: Packaged medicaments (\$4.5 billion), Vegetable Saps (\$1.8 billion), Refined Petroleum (\$3.7 billion), Jewelry (\$1.5 billion), and House Linens (\$981 million).
- The United States is the world's largest recipient of Foreign Direct Investment (FDI) and India is among the fastest growing investor in the U.S. Over the last decade, investment capital from India to the U.S. grew at an annualized rate of 53%. 46
- Indian companies have aided the turnaround of several struggling U.S. firms. The Essar Group invested over \$1.6 billion in the declining Minnesota Steel Industries and now employs over 7,200 people in almost a dozen states; The Tata Group has invested more than \$3 billion in the U.S. and employs nearly 19,000 people; Jubliant Organsys Total Capital invested \$246 million in the U.S. and now employs nearly 900 employees throughout the country; and Wockhardt, a pharmaceutical company, acquired Morton Grove for \$37 million. This deal preserved the jobs of all 200 original Morton Grove employees.⁴⁷
- The largest share of investment capital from India has been allocated to industries associated with the knowledge economy. This capital is helping the U.S. increase employment in high value-added industries, such as IT and pharmaceuticals.⁴⁸
- FDI from India is expected to continue to grow in the future. There is strong interest by Indian investors in the power, steel, and extractive industries, as well as in pharmaceuticals and health care industries. This inflow of capital will expand the U.S. economy across a variety of fields, stimulate job growth, and help the U.S. remain competitive in global markets.⁴⁹
- The cumulative FDI inflows from the U.S. to India (April 2000- September 2014) amounted to \$13.2 billion, constituting nearly 6% of all FDI in India, and making the U.S. their sixth largest investor. ⁵⁰
- In 2014-15, Indian students formed the second largest group of international students behind China, comprising 14% of the total 974,926 international students enrolled in U.S. colleges and universities.⁵¹

• During Prime Minister Modi's visit in September 2014, India signed with the U.S.to establish the Global Initiative of Academic Networks (GIAN), under which India will host up to 1,000 American academics each year to teach technology courses at Indian universities.⁵²

California's World Market Profile

- California exported \$165.3 billion in merchandise in 2015.⁵³
- California's top export markets in 2015 were: Mexico (\$26.8 billion); Canada (\$16.9 billion); China (\$14.4 billion); Japan (\$11.7 billion); and Hong Kong (\$8.7 billion).⁵⁴
- California's top 5 export industries in 2015 were: Computer & Electronic Products (\$43.1 billion); Transportation Equipment (\$17.6 billion); Machinery, Except Electrical (\$15.1 billion); Miscellaneous Manufactured Commodities (\$13.6 billion); and Chemicals (\$13.3 billion). 55c
- California's imports totaled \$408.1 billion in 2015. California's top 5 import markets in 2015 were: China (\$143.4 billion); Mexico (\$45 billion); Japan (\$38.5 Billion); Canada (\$27.8 billion); and Malaysia (\$16.7 billion).
- California's top five imports in 2015 were: Vehicles, Spark Ignition 1500CC (\$38.9 billion); Vehicles, Spark Ignition 3000CC (\$16.1 Billion), Crude Oil from Petroleum (\$16.1 billion); Automatic Data Process Machines (\$15.8 billion); and Machines for Voice, Images, or Data (\$14.8 billion).⁵⁷
- A total of 75,175 companies exported from California locations in 2013. Of those, 72,032 (95.8%) were small and medium-sized enterprises with fewer than 500 employees.⁵⁸
- The four major sources of foreign investment in California in 2013 included Japan, the United Kingdom Switzerland and France. 59
- 631,500 California workers were employed by foreign-controlled companies in 2013. A total of 4.6% of the state's private-industry employment was supported by foreign investment. 60

California and India Relations

- In 2015, California exported more merchandise to India than any other state. California exports to India accounted for \$4.5 billion, (20.9%) of the total \$21.5 billion dollars of merchandise exported from the U.S. to India. 61
- India was the 11th largest export destination for California (\$4.5 billion) in 2015.⁶²
- The top 5 California commodities exported to India in 2015 include: Miscellaneous Manufactured Commodities (\$2.5 billion), Computer and Electronic Products (\$715 million), Agricultural Products (\$684 million), Chemicals (\$132 million) and Waste and Scrap (\$111 Million).
- Today about half of California's 475,000 Indian immigrants live in the San Francisco Bay Area, making it the second largest community in the country after New York.⁶⁴
- Immigrants from India have founded notable Silicon Valley firms such as Sun Microsystems (Vinod Khosla), Brocade (Kumar Malavalli), Cirrus Logic (Suhas Patil) and Hotmail (Sabeer Bhatia). U.S. Immigrants from India have also supplied pivotal contributions to technology innovation, including ethernet (Kanwal Rehki), fiber optics (Narinder Kapany) and the Pentium chip (Vinod Dham).⁶⁵
- Bay Area merchandise trade with India is primarily in low-end manufactured imports, information technology, and agriculture exports. 66
- In 2013, firms in the San Francisco-Bay Area had approximately 700 affiliates in India-- ranked 3rd behind the number of affiliates in the United Kingdom and China.⁶⁷
- Many firms in the San Francisco-Bay Area have close business partnerships with India. The Bay Area Council identifies Hewlett-Packard as the largest player in India's domestic IT market. One-third of Adobe's global engineering workforce is Indian. Cisco has its second largest headquarters in Bangalore. India is Yahoo!'s base for product and service development aimed at emerging markets. The San Francisco-based architecture/design firm Gensler was part of the design team for India's \$300 million Chennai airport project.⁶⁸
- More than 40 Bay Area venture firms have Indian leadership and/or investment activity in India. 69

Historically, India has sent more students to the U.S. than any other country. Most come to study computer science, business, and engineering at the graduate level, planning to stay indefinitely. The trend is now changing, and more students are returning back to India for business opportunities with a few years of work experience in the U.S. under their belts.

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their belts.<sup>70</sup>
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